SURYA

TYPE TEST CERTIFICATE

Product Code: SUL 25 SV/MH POT CA WG/IP66 04

Product: Street light suitable for 250W SV/MH lamp, 240V, 50Hz, AC supply.

Brand Name: SURYA

Document references: IS: 10322(Pt.5/Sec.3)-1987 & TDS

1.	Visual Examination	Shall not reveal any damage to external finish & workmanship	Satisfactory
	a. Marking	Shall be clear and legible	Satisfactory
	b. Construction	Pressure die-cast Al. housing, powder coated, Pot optic, EPDM rubber gasket, clear toughened glass, E40 ceramic holder, 250W Cu. wound ballast,3 wire pulse ignitor and 33 mfd capacitor.	Satisfactory
	c. Internal wiring	Shall be of 1 sq.mm	Satisfactory
	d. Screws & connections	Shall withstood an applied torque of 8Nm for five times.	Satisfactory
2.	Protection against electric Shock	Test finger shall not come into contact with any live parts	Satisfactory
3.	Mechanical strength	Shall not show any damage	Satisfactory
4.	Endurance	No parts shall be damaged, unserviceable and unsafe. The marking shall be legible and the luminaire shall perform normally after the test.	Satisfactory
5.	Thermal Test	Temp. shall be within the specified limits, Winding of ballast < 130°C, Ignitor case < 85°C, Supporting surface < 70°C, Capacitor case < 85°C	Satisfactory

6. Resistance to dust and Moisture	Compliance with the requirement of the standard	Satisfactory
a. Test for ingress Of dust and Moisture (IP66)	There shall be no ingress of dust and no harmful quantity of water accumulation.	Satisfactory
b. Humidity Test	There shall not show any appreciable damage & Insulation shall be adequate $\geq$ 2M	Satisfactory
7. Insulation Resistance(Dry)	Shall be $\geq$ 2M on application of 500V DC	Satisfactory
8. Electric strength test	Shall withstood a voltage of 1.5KV for 1 Min.	Satisfactory
9. Resistance to heat, fire & Tracking	On plastic materials only	Satisfactory
a. Resistance to heat	The diameter of impression shall not be > 2mm	Satisfactory
b. Resistance to flame & Ignition	The sample under test and any gas produced during the test shall not be ignited	Satisfactory
10. Creepage distance and Clearance	Shall be $\geq$ 3mm and $\geq$ 6mm	Satisfactory
11. Leakage current	< 1.0 mA	Satisfactory
12. Earth contact Resistance	< 0.5	Satisfactory
13. Photometric efficiency		75%

Certificate issued by

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